

From: [Au, Doreen](#)
To: [Vince Centioni](#)
Subject: RE: A few follow-up questions
Date: Monday, July 24, 2017 4:25:00 PM
Attachments: [image001.png](#)

Thank you! -Doreen

From: Vince Centioni [mailto:V.Centioni@3vsigmausa.com]

Sent: Monday, July 24, 2017 2:22 PM

To: Au, Doreen <Au.Doreen@epa.gov>

Cc: Scott McNair <S.McNair@3vsigmausa.com>; Ryan Dorsey <R.Dorsey@3vsigmausa.com>; Schneider, Matthew <Schneider.Matthew@epa.gov>; Alex Llyod <a.lloyd@3vsigmausa.com>; Paul Hancock <P.Hancock@3vsigmausa.com>

Subject: RE: A few follow-up questions

Importance: High

Ignore the V-586 batches on these sheets. Some of the batches were re-stripped. You need to reference my WW Transfer Logs for V-586. I also attached the Water 9 data submitted annually in my TRI reports. The models are conducted every 3 years in correlation to our National Emissions Inventory Report submitted to SC DHEC. The last model was conducted in 2014.

Fraction WW discharges to
POTW 2012

Total annual 2012 to POTW	12852696	12.853	mg	34.7	%
Total annual 2012 to Sampit	24239525	24.240	mg	65.3	%
Total discharge 2012		37.092	mg		

Water 9 Data 2012

	Inlet rate	Outlet rate	Qty to air	Qty to bio	Outlet rate	Qty to air	Qty to bio
	lb/hr	lb/hr	lb/hr	lb/hr	% of inlet	% of inlet	% of inlet
MeCl	0.024	0.00	0.0155	0.0083	0.0010%	74%	26%
MEOH	5.82	0.00	0.07	5.74	0.045%	1%	99%
Xylene	0.28	0.00	0.19	0.09	0.000%	68%	32%
							99.9%

Fraction WW discharges to
POTW 2013

Total annual 2013 to POTW	12327871	12.328	mg	34.2	%
Total annual 2013 to Sampit	23720000	23.720	mg	65.8	%
Total discharge 2013		36.048	mg		

Water 9 Data 2013

	Inlet rate	Outlet rate	Qty to air	Qty to bio	Outlet rate	Qty to air	Qty to bio
	lb/hr	lb/hr	lb/hr	lb/hr	% of inlet	% of inlet	% of inlet
MeCl	0.024	0.00	0.0155	0.0083	0.0010%	74%	26%
MEOH	5.82	0.00	0.07	5.74	0.045%	1%	99%
Xylene	0.28	0.00	0.19	0.09	0.000%	68%	32%
							99.9%

Fraction WW discharges to POTW
2014

Total annual 2014 to POTW	12936430	12.936	mg	39.1	%
Total annual 2014 to Sampit	20168905	20.169	mg	60.9	%
Total discharge 2014		33.105	mg		

Water 9 Data 2014

	Inlet rate	Outlet rate	Qty to air	Qty to bio	Outlet rate	Qty to air	Qty to bio
	lb/hr	lb/hr	lb/hr	lb/hr	% of inlet	% of inlet	% of inlet
MeCl	0.024	0.00	0.0155	0.0083	0.0010%	74%	26%
MEOH	5.82	0.00	0.07	5.74	0.045%	1%	99%
Xylene	0.28	0.00	0.19	0.09	0.000%	68%	32%
							99.9%

Fraction WW discharges to POTW 2015

Total annual 2015 to POTW	14600385	14.600	mg	47.1	%
Total annual 2015 to Sampit	16366111	16.366	mg	52.9	%
Total discharge 2015	30966496	30.966	mg		

Water 9 Data 2015

	Inlet rate	Outlet rate	Qty to air	Qty to bio	Outlet rate	Qty to air	Qty to bio
	lb/hr	lb/hr	lb/hr	lb/hr	% of inlet	% of inlet	% of inlet
MeCl	0.024	0.00	0.0155	0.0083	0.0010%	74%	26%
MEOH	5.82	0.00	0.07	5.74	0.045%	1%	99%
Xylene	0.28	0.00	0.19	0.09	0.000%	68%	32%
							99.9%

Fraction WW discharges to POTW 2016

Total annual 2016 to POTW	14600385	14.600	mg	47.1	%
Total annual 2016 to Sampit	16366111	16.366	mg	52.9	%
Total discharge 2016	30966496	30.966	mg		

Water 9 Data 2016

	Inlet rate	Outlet rate	Qty to air	Qty to bio	Outlet rate	Qty to air	Qty to bio
	lb/hr	lb/hr	lb/hr	lb/hr	% of inlet	% of inlet	% of inlet
MeCl	0.024	0.00	0.0155	0.0083	0.0010%	74%	26%
MEOH	5.82	0.00	0.07	5.74	0.045%	1%	99%
Xylene	0.28	0.00	0.19	0.09	0.000%	68%	32%
							99.9%

Hope this helps w/ your investigation

Vince

From: Au, Doreen [<mailto:Au.Doreen@epa.gov>]

Sent: Monday, July 24, 2017 3:33 PM

To: Vince Centioni

Cc: Scott McNair; Ryan Dorsey; Schneider, Matthew; Alex Llyod; Paul Hancock

Subject: RE: A few follow-up questions

Hey Vince,

Would it also be possible to get the V584 analysis spread sheets for 2012-2016 in excel format as well?

Thank you. -Doreen

From: Vince Centioni [<mailto:V.Centioni@3vsigmausa.com>]

Sent: Monday, July 24, 2017 10:54 AM

To: Au, Doreen <Au.Doreen@epa.gov>

Cc: Scott McNair <S.McNair@3vsigmausa.com>; Ryan Dorsey <R.Dorsey@3vsigmausa.com>; Schneider, Matthew <Schneider.Matthew@epa.gov>; Alex Llyod <a.lloyd@3vsigmausa.com>; Paul Hancock <P.Hancock@3vsigmausa.com>

Subject: RE: A few follow-up questions

Importance: High

Doreen,

Scott gave me verbal permission to send you the excel files you requested.

'Thanks Vince

Vince Centioni

Environmental Manager

cid:image001.png@01D15E93.E9A80080



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From: Au, Doreen [<mailto:Au.Doreen@epa.gov>]

Sent: Monday, July 24, 2017 12:42 PM

To: Vince Centioni

Cc: Scott McNair; Ryan Dorsey; Schneider, Matthew; Alex Llyod; Paul Hancock

Subject: RE: A few follow-up questions

Thank you Vince,

For the wastewater tanks and for the accumulator that was receiving the overheads from the wastewater stripper, we wanted to know what the conservation vent pressure set points were. There were a few tanks that use a conservation vent instead of a gooseneck. These were the tanks Ryan and I went to visit in the field to see how they were vented.

I would like to compare the sample results, however I would have to get permission from Region 4 (I can talk with them), in addition, our samples results are going through our rigorous accreditation reviews and are not available (even to me) yet.

Thanks Vince.

From: Vince Centioni [<mailto:V.Centioni@3vsigmausa.com>]

Sent: Monday, July 24, 2017 10:35 AM

To: Au, Doreen <Au.Doreen@epa.gov>

Cc: Scott McNair <S.McNair@3vsigmausa.com>; Ryan Dorsey <R.Dorsey@3vsigmausa.com>; Schneider, Matthew <Schneider.Matthew@epa.gov>; Alex Llyod <a.lloyd@3vsigmausa.com>; Paul Hancock <P.Hancock@3vsigmausa.com>

Subject: RE: A few follow-up questions

Importance: High

Au Doreen,

- 1.) Once I get permission from Scott McNair I will send the excel files you are requesting.
- 2.) What data are you looking for? Specifically. I was under the impression 3V explained the logic behind how the tanks are currently vented (see John Schroer email, who last wrote 3V MON NOCS revision). Since you and Ryan Dorsey communicated verbally over the phone (see email) he may be better prepared to provide a time frame. He probably needs to know exactly what data you are requesting....
- 3.) Do you want to compare the sample results from the external lab, alongside our internal QC lab reports? I would like to see the EPA's analytical report and compare.

'Thanks Vince

Vince Centioni

Environmental Manager

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From: Au, Doreen [<mailto:Au.Doreen@epa.gov>]
Sent: Monday, July 24, 2017 11:48 AM
To: Vince Centioni
Cc: Scott McNair; Ryan Dorsey; Schneider, Matthew
Subject: A few follow-up questions

Good Morning Vince,

I hope you had a good weekend. I was going through and reviewing the documents that were provided, and the copy of the analysis provided for water to WWTP (including all tanks sorted by tank numbers) for 2015, appears to only have the first page from 2015, and the remaining pages have data from 2013.

Can we please have the data from 2015? If it is possible could we also please have the data in excel for the other years? (2013-2016)

In addition, for any outstanding questions, including pressure set points for the conservation vents on wastewater tanks, and looking for written maintenance wastewater plans, etc. do you have an estimated timeframe for sending that data?

I would also again, welcome any additional information you would like to provide for NEIC to incorporate into their reports to Region 4 at this time.

Thank you,
Doreen

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